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PTO/SB/01 (10-05)

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## DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)



Declaration  
Submitted  
With Initial  
Filing

OR



Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

Attorney Docket  
Number

ISHI 20.887

First Named Inventor

Mingyao XU, et. al.

COMPLETE IF KNOWN

Application Number

Filing Date

Art Unit

Examiner Name

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

REDUCED TORQUE VALVE FOR CRYOGENIC REFRIGERATOR

(Title of the Invention)

the specification of which



is attached hereto

OR



was filed on (MM/DD/YYYY)

January 20, 2005

as United States Application Number or PCT International

Application Number

PCT/US2005/001617

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

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## DECLARATION — Utility or Design Patent Application

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<p style="text-align: center;"><b>WARNING:</b></p> <p>Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.</p> <p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>					
NAME OF SOLE OR FIRST INVENTOR:			<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any])			Family Name or Surname		
Mingyao			XU		
Inventor's Signature					Date
Residence: City		State		Country	
Emmaus		Pennsylvania		United States of America	
Citizenship		China			
Mailing Address					
130 Cold Stream Court					
City		State		Zip	
Emmaus		Pennsylvania		18049	
Country		United States of America			
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.					

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PTO/SB/02A (09-04)

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<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> Supplemental Sheet
	Page <u>3</u> of <u>3</u>

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Jin Lin		GAO	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
c/o SHI-APD CRYOGENICS, INC., 1833 Vultee Street			
Mailing Address			
City Allentown	State Pennsylvania	Zip 18103-4783	Country United States of America
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Eric		SEITZ	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
c/o SHI-APD CRYOGENICS, INC., 1833 Vultee Street			
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Given Name (first and middle (if any))		Family Name or Surname	
Motokazu		SAITO	
Inventor's Signature <i>Motokazu Saito</i>		Date <i>18/05/06</i>	
Residence: City <i>Allentown</i>	State <i>Pennsylvania</i>	Country	Citizenship <i>Japan</i>
c/o SHI-APD CRYOGENICS, INC., 1833 Vultee Street			
Mailing Address			
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address below

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**NAME OF SOLE OR FIRST INVENTOR:**



A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])

Mingyao

Family Name or Surname

XU

Inventor's Signature

Date

Residence: City

Emmaus

State

Pennsylvania

Country

United States of America

Citizenship

China

Mailing Address

130 Cold Stream Court

City

Emmaus

State

Pennsylvania

Zip

18049

Country

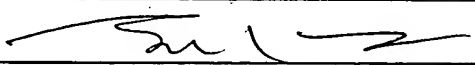
United States of America



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**DECLARATION****ADDITIONAL INVENTOR(S)**  
Supplemental SheetPage 3 of 3

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Jin Lin		GAO	
Inventor's Signature 		Date 5-15-06	
Residence: City	State	Country United States of America	Citizenship USA China
Mailing Address c/o SHI-APD CRYOGENICS, INC., 1833 Vultee Street			
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Eric		SEITZ	
Inventor's Signature		Date	
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Motokatsu		SAITO	
Inventor's Signature		Date	
Residence: City	State	Country United States of America	Citizenship Japan
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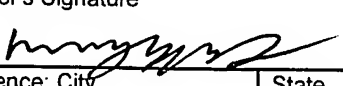
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NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
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Mingyao		XU		
Inventor's Signature			Date	
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Residence: City	State	Country	Citizenship	
Emmaus	Pennsylvania	United States of America	China	
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Jin Lin		GAO	
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Residence: City	State	Country <small>United States of America</small>	Citizenship <b>China</b>
Mailing Address c/o SHI-APD CRYOGENICS, INC., 1833 Vultee Street			
City <b>Allentown</b>	State <b>Pennsylvania</b>	Zip <b>18103-4783</b>	Country <small>United States of America</small>
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
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Eric		SEITZ	
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